

SANWA

SCS-401T & SCM-401R Ultrasonic Sensors

High-sensitivity ultrasonic transmitters and receivers are designed for sending and receiving ultrasonic sound through the air in the form of continuous wave or pulses.

Applications

Burglar Alarm Systems
Liquid Level Meters
Anti-collision Devices
Counters For Moving Objects
TV Remote Control Systems

Item	SCS-401T	SCM-401R	Specification
Transmitting Sensitivity	106dB	-	
Receiving Sensitivity	-	65dB	
Resonant Frequency (transmitting)	40ZHz \pm 1	-	
Resonant Frequency (receiving)	-	40ZHz \pm 1	
Directional Angle	Approx 30°		
Maximum Input Voltage	20Vrms	-	
Impedance	Apprx 500 Ω	Apprx 30k Ω	
Capacitance	1100pF \pm 2%		
Pulse Rise Time	2.0ms	0.5ms	
Max Input Voltage for Pulse Operation	60Vp.p.	-	
Temperature Range	-20 to +60°C		
Transmitting Selectivity	Approx 70		
Receiving Selectivity		Approx 60	

Unit mm